

**METHODS AND COMPOSITIONS FOR THERAPEUTIC
INTERVENTION IN INFECTIOUS DISEASE**

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ABSTRACT

Methods and compositions for the treatment and prevention of infectious diseases are provided. In particular, efficient vaccines comprising genetically modified pathogens are provided. The vaccines generally comprise mycobacterial mutants having modified protein production capabilities. In one embodiment, the mutants overexpress heat shock protein. In a specific embodiment, the mycobacterial mutant overexpresses heat shock proteins 60 and/or 70. Also provided are modified BCG vaccines capable of overexpressing heat shock proteins 60 and/or 70.

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